GEAP

GRAPHICS EDITOR AND PROGRAMMER

DOT WRITER

VERSION 1.3

REVISION DATE   01/10/83

Dot Writer Command Summary

```
M......Load Letterset From Disk
L......Draw Screen List for Font
P......Print Text

F......Draw Frame
A......Create Frame Limits
R......Record to Memory
W......Write (test print)
E......Edit Frame Contents
B......Save Frame Contents to Disk
T......Transfer Letter From Disk
H......Calculate Needed Disk Space
```

CONTROL CODES

```
/ ... Begin alternate font.
? ... End alternate font.
& ... Underline non-blank.
$ ... Underline blank & non-blank
% ... End underlining.
( ... Begin double width mode.
) ... End double width mode.
```

PRINT HEAD PIN LAYOUT

PIN NUMBER	UP VALUE
8	128
7	64
6	32
5	16
4	8
3	4
2	2
1	1
0	NOT USED

ASCII ORDER

VAL / CHAR		VAL / CHAR		VAL / CHAR	
32	SPACE	62	>	92	NA
33	!	63	?	93	NA
34	"	64	@	94	NA
35	#	65	A	95	NA
36	$	66	B	96	`
37	%	67	C	97	a
38	&	68	D	98	b
39	'	69	E	99	c
40	(	70	F	100	d
41	)	71	G	101	e
42	*	72	H	102	f
43	+	73	I	103	g
44	,	74	J	104	h
45	-	75	K	105	i
46	.	76	L	106	j
47	/	77	M	107	k
48	0	78	N	108	l
49	1	79	O	109	m
50	2	80	P	110	n
51	3	81	Q	111	o
52	4	82	R	112	p
53	5	83	S	113	q
54	6	84	T	114	r
55	7	85	U	115	s
56	8	86	V	116	t
57	9	87	W	117	u
58	:	88	X	118	v
59	;	89	Y	119	w
60	<	90	Z	120	x
61	=	91	[	121	y
				122	z

SUGGESTED .UP VALUE
FOR UNDERLINING FONTS

FILE	/ .UP VALUE	FILE	/ .UP VALUE
OE	/ 1	BO	/ 4
BE	/ 32	FF	/ 8
PL	/ 64	MP	/ 2
MB	/ 4	MP1	/ 2
MB2	/ 8	MC	/ 1
BB	/ 4	GR	/ 64

COMMAND SUMMARY

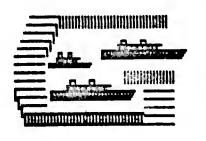| Command	Default	Description
.AD n	5	Adjust left margin
.AF "filename"		Alternate Font
.AP "filename"		Append "filename"
.BF "name"	BF 1	Begin Font
.BF 1		Regular Epson Font
.BM n	6	Bottom Margin
.BR		Control break
.BT "title"		Bottom Title
.CE on. .CE off	off	Center Text/ normal
.CP n		Conditional page
.CW on. .CW off	off	Center Text/ proportional
.DA on. .DA off	off	Emphasized/Dot Writer fonts
.DA 0.1.2.3	off	Darkness control/Epson fonts
.DS on.off	off	Double Spacing
.EM on.off	off	Emphasized print
.EN		End of Text File
.ES "symbol"	:	Select Escape Code
.FO on. .FO off	on	Format on. Format off
.FM n	1	Select Footing Margin
.HL		Draw Horizontal Line
.HM n		Heading Margin
.IG on.off 1/2		Ignore text
.IM "filename"		Imbed file command
.IN n	0	Indent n number of spaces
.JU on. .JU off	on	Right Justification on/off
.KE		Keyboard Entry
.LH n	12	Line Height (dots between lines)
.LL n	70	Set Line Length of n
.LB n	off	Set LOGO SPACE
.MF n	1	Magnify Font by factor of n
.MX 100.. .MX 80		Select wide paper
.OF n		Offset command
.PA		Page eject
.PL n		Select page length
.PN on.off		Page Numbering On or Off
.PP		Start new paragraph
.PR on.off		Proportional Print On/Off
.RE 0	on	Reverse Off
.RE 1	off	Reverse /blank spaces
.RE 2	off	Reverse /black spaces
.SD n	0	Dot Spaces Between Letters
.SK n		Skip n number of lines
.ST "message"		Stop. print "message"
.SH n		Space Width
.TM n	6	Top Margin setting
.TT "title"		Top Title Definition
.TF "name"		Select Font for TT and BT
.UP n		Underline select

DOT WRITER INTRODUCTION

This DOT WRITER manual comes in two parts. The first part is DOT PRINT and the second part is EXPMOD8 and 9. Do not confuse the two sections as they have entirely different purposes.

The DOT PRINT portion explains the use of our script package, called "DOTPRINT". The sole purpose of DOTPRINT is to script the ASCII files that you create on your word processor while allowing you to use our own special commands and fonts. DOTPRINT cannot create fonts, alter fonts or create high resolution graphics although it can print those that have been created with GEAP and the second part of this program, EXPMOD8 and 9.

If you have not purchased GEAP 2.1, then you cannot use the expansion modules EXPMOD8 and 9 which are used to create fonts, alter fonts and create high resolution graphics in conjunction with our Graphics Editor And Programmer.

With DOTPRINT you will be able to use all of the supplied fonts and you will be able to use the additional fonts that will be made available on disks of 7 to 10 fonts. With the entire package, GEAP 2.1 and DOT WRITER, you will be able to use our fonts AND YOU WILL BE ABLE TO CREATE YOUR OWN FONTS AND HI-RES GRAPHICS.

BIGBOLD
ABCDEFGHIJKLMNOPQRSTUVWX
abcdefghijKlmnopqrstuvwxyz

BOLD ENHANCED
ABCDEFGHIJKLMNOPQRSTUVWX

MEDIUM BOLD
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijKlmnopqrstuvwxyz

MINICUBES
ABCDEFGHIJKLMNOPQRSTUVWX

SMALL ENHANCED
ABCDEFGHIJKLMNOPQRSTUVWXYZ

MICROPRINT 1
ABCDEFGHIJKLMNOPQRSTUVWXYZ

OLDE ENGLISH
ABCDEFGHIJKLMNOPQRSTUVW
abcdefghijKlmnopqrstuvwxyz

MB2
ABCDEFGHIJKLM

MAGNIFICATION FACTOR 2

BIG BOLD

OLDE ENGLISH

MINI CUBES

MB2

BIGBOLD
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

BOLD ENHANCED
ABCDEFGHIJKLMNOPQRSTUVWXYZ

MEDIUM BOLD
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

MINICUBES
ABCDEFGHIJKLMNOPQRSTUVWXYZ

SMALL ENHANCED
ABCDEFGHIJKLMNOPQRSTUVWXYZ

Plain 960 dot/line
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

FLAT FACED x
ABCDEFGHIJKLMNOPQRSTUVWXYZ

MICROPRINT ⅄
ABCDEFGHIJKLMNOPQRSTUVWXYZ

GREEK ⅄
ΑΒΧΔΕΘΓΗΙΦΚΛΜΝΟΠΘΡΣΤΤΤΩΞΨΖ
αβχδεθγηφκλμνοπφρστυνωξψ

MICROPRINT 1
ABCDEFGHIJKLMNOPQRSTUVWXYZ

OLDE ENGLISH
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

MB2
ABCDEFGHIJKLMNOPQRSTUVWXYZ

In addition to the above, all fonts may be magnified or expanded. Accessory font disks (8-10 fonts/disk) are also available for those wishing to have a more complete library.

Chancery Medium
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

Computer Style
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

SHADOW
ABCDEFGHIJKLMNOPQRSTUVWXYZ

BALLOON
ABCDEFGHIJKLMNOPQRSTUVW

BROADWAY
ABCDEFGHIJKLMNOPQRSTUVWXYZ

STENCIL
ABCDEFGHIJKLMNOPQRSTUVWXYZ

FANCY
ABCDEFGHIJKLMNOPQRSTUVWXYZ

MEDIUMBOLD 3
ABCDEFGHIJKLMNOPQRSTUVWX

SMALL FANCY
ABCDEFGHIJKLMNOPQRSTUVWXYZ

SHADED
ABCDEFGHIJKLMNOPQRSTUVWXYZ

SELECTED FONTS IN DOUBLE WIDTH
Computer Style
SHADED
BROADWAY

ABCDEFGHIJKLMNOPQRSTUVWX
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

ABCDEFGHIJKLMNOPQRS
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopq
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZabcdefghijklmnopqrstuvwxyz
1234567890

ABCDEFGHIJKLMNOPQRSTUVWXYZ
1234567890

Selected Fonts In Double Width

Medium Bold

BALLOON
SHADED

All Fonts May Also Be Magnified!

ANTIQUE
ABCDEFGHIJKLMNOPQRSTU

Formal Script
abcdefghijklmnopqrstuvwxyz

Hand Writing Script
abcdefghijklmnopqrstuvwxyz

LED
ABCDEFGHIJKLMNOPQRSTUVWXYZ

SPECIAL CHARACTER Font
→←≥△∑▥▤▦▨ᵏᵧ≡↓▼ᵃᵐᵒᴨ≥▽✓∫Tᵁ⌐⊥−⌐⊼↑↓½¼⅛⅟₄⅟₈⅟₉σᵐᵐ©◇◇≷⊓≅▷≥⅁≥ᴱ−╀

SMALL COMPUTER STYLE
ABCDEFGHIJKLMNOPQRSTUVWXYZ

SIDEWAYS PLAIN
▷▥▢▽▥⊓▢◻I⊢◡ʐᵣᵣᴳᵕˢˢ▢◡▢▥◻⊣⊏⊂Σᵡᵡ⊣◡ᴎ

Letter Quality (Stands up well to photocopy, reduction, etc.)
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

PlayBill
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmn o p q r s t u v w x y z

SR
ABCDEFGHIJK L M N O P Q R S T U V W X Y

LMES
ABCDEFGHIJKLMNOPQRSTUVWXYZ
abcdefghijklmnopqrstuvwxyz

LSMES
ABCDEFGHIJKL

WELCOME TO DOT WRITER

Welcome to the new DOT WRITER 1.5. You are now holding the most powerful software available to make use of your Epson printer. The first half of this new manual was printed using the DOTPRINT facility of the DOT WRITER package.

Here are a few examples of some of the features you can expect. First, there is TRUE PROPORTIONAL printing. I know that you have read that proportional is not possible on the Epson. Well, you are looking at the proof. True Proportional printing is available with almost all of our fonts and with those that you may create.

Next, we have underlining, not just underlining words, but underlining words and spaces with solid lines.

That's not all, how about multiple underlining? In fact, underlining is totally under your control and all you have to do is specify what you want with a few, simple commands!

In the first paragraph you saw an example of ALTERNATE LETTERSET capability. You can intermix fonts or Hi-Res graphics on a line. You also have the ability to create double width characters, and that feature will work with ANY OF our fonts.

Dot Writer comes with 12 fonts but there are additional fonts available at additional cost. This font, called Computer Style, is just one of the additional fonts. Of course, all of our fonts allow the intermixing or expanding capability.

This is just a sampling. Dig in and begin using the package and you will finally be able to get your money's worth from your Epson.

We are dedicated to producing a fine product with maximum support. We do not plan to be a "here today, gone tomorrow" company so, if you have suggestions or problems, please contact us. We are here to serve your needs!

IMPORTANT INFORMATION

The most important information we want to convey to you is our thanks for purchasing this software. Next, welcome to the Dot Writer facilities. Your purchase of this package not only pays for what you see here, but future software development as well. This is not the last you will be hearing from us. We have future enhancements and additions in progress and we intend to keep GEAP the very best software available. Updates are available for a service fee of $10.00 at any time. In the case of upgrades, you pay only the difference between the new product price and what you originaly paid.

SYSTEM REQUIREMENTS FOR DOT WRITER

TRS 80, MOD I/III, 48K DISK [2 Drives recommended but not necessary]. PREVIOUS PURCHASE OF GEAP, 48K DISK, VERSION 2.0 OR BETTER and an EPSON PRINTER WITH GRAFTRAX 80, 100, OR PLUS [GRAFTRAX upgrades are available through us and can be easily installed by the user]. TRSDOS or a compatible operating system.
OPTIONAL: A word processor capable of creating an ASCII file [We recommend NewScript and we follow their format, though almost any word processor will do].

WARRANTY AND LICENSING AGREEMENT

All GEAP programs are sold on an "as is" basis. In using this program, you waive any right for claim to any damages that may be incurred. The end user also agrees that all programs are proprietary and no code shall be disassembled, rewritten into other forms, or included in other computer programs. Any modifications made to GEAP or any of its supporting modules automatically become the property of the GEAP copyright owner, William K. Mason. GEAP Character Fonts or fonts created with the GEAP editor are for use in non-commercial applications and programs only.

Our policy is not designed to discourage you from using GEAP, but only to protect us from the "software pirates" who steal from legitimate software developers. We encourage "constructive" comments on GEAP, and unlike some of the better known software producers, we respond to your needs. After all, this software was written for everone, not just us. Your continued support helps us to expand the services that we can offer. We would appreciate it if you would "show off" this software to others, however, if you make an illegal copy, it hurts us both! Without sales, we cannot give you the continued support you expect.

The following trademarked names are used in this manual:
    TRS-80: Trademark of the Tandy Corp.
    Epson and GRAFTRAX 80, 100, PLUS: EPSON AMERICA INC.
    NEWSCRIPT: PROSOFT, N. HOLLYWOOD, CA.

System Checkout Procedure

On your disk is a file by the name of TEST/TXT. This file is not mentioned in the documentation since we included it after the manual was written. The purpose of this file is to make sure that your DOT WRITER disk arrived in good condition, and also to test compatability with your system.

To perform this test you will require two drives:

    1) Place a TRSDOS in drive 0

    2) Place of BACKUP copy of your DOT WRITER disk in drive 1.

    3) Re-boot your system

    4) Next, type BASIC. Answer the number of files with 4.

    5) Now type: RUN "DOTPRINT"

    6) The DOTPRINT program will load and after a few seconds you will be asked to ENTER CURRENT PAGE number. Press <ENTER>.

    7) Next you will be asked to ENTER NUMBER OF COPIES DESIRED. Press <ENTER>.

    8) Finally you will be asked to ENTER I. D. OF FILE TO BE PRINTED. Type TEST/TXT as your reply.

If all of your switch settings are proper, and your disk has arrived in good shape, you should get a nice clean printout. (Dip switch settings should be the same as those recommended for the TRS-80 in the EPSON GRAFTRAX manual.

If your disk is damaged, or if there is a problem, the program will bomb on you. If you have converted the program to a non-TRSDOS system, try running this test using TRS-DOS. If the problem corrects under TRS-DOS, the most likely cause is an incorrect conversion procedure.

If you get the same results, first check your printer switch settings. If this fails, you may return your disk, and also send a printout (if you were able to get one) of the above. Note, we only accept damaged disks for 30 days after purchase. After this time a service fee will be charged for damaged disk replacement. When returning damaged disks, please include a copy of your reciept with the purchase date.